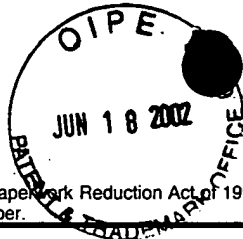


Examiner Signature	<i>Sam O. Wells</i>	Date Considered	5/30/03
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**(use as many sheets<sup>2</sup> as necessary)

Sheet 1 of 4

**Complete if Known**

Application Number	10/028,258
Filing Date	12/19/01
First Named Inventor	Celal Albayrak
Art Unit	
Examiner Name	
Attorney Docket Number	0081.02

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
XQW	AA	US- 3523906	08/11/1970	Vrancken et al.	
	AB	US- 3691090	09/12/1972	Kitajima et al.	
	AC	US- 3737337	06/05/1973	Schnoring et al.	
	AD	US- 3891570	06/24/1975	Fukushim et al.	
	AE	US- 3943063	03/09/1976	Morishita et al.	
	AF	US- 3960757	06/01/1976	Morishita et al.	
	AG	US- 4166800	09/04/1979	Fong	
	AH	US- 4384975	05/24/1983	Jones W. Fong	
	AI	US- 4389330	06/21/1983	Tice et al.	
	AJ	US- 4568559	02/04/1986	Nuwayser et al.	
	AK	US- 4652441	03/24/1987	Okada et al.	
	AL	US- 4675189	06/23/1987	Kent et al.	
	AN	US- 4732763	03/22/1988	Beck et al.	
	AO	US- 4835139	05/30/1989	Tice et al.	
	AP	US- 4897268	01/30/1990	Tice et al.	
	AQ	US- 4917893	04/17/1990	Okada et al.	
	AR	US- 4954298	09/04/1990	Yamamoto et al.	
	AS	US- 4962091	10/09/1990	Eppstein et al.	
	AT	US- 4994281	02/19/1991	Muranishi et al.	
XQW	AU	US- 5019400	05/28/1991	Gombotz et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
XQW	CW	EP	04481732	03/01/1995	Takeda Chemical		
	CX	EP	0668073	04/14/1999	Takeda Chemical		
	CY	EP	202065	05/06/1986	Takeda Chemical		
	CZ	EP	251476	05/22/1986	Syntex		
	DA	EP	302582	03/31/1987	Southern Research		
	DB	EP	330180	02/22/1989	BioMaterials Univ.		
XQW	DC	EP	190833	08/13/1986	Takeda Chemical		
XQW	DD	EP	0315875	05/17/1989	Hoechst		
XQW	DE	EP	438426	09/13/1989	DuPont		
XQW	DF	EP	582459	08/03/1993	Takeda Chemical		

Examiner  
Signature

Ramon Q. Wells

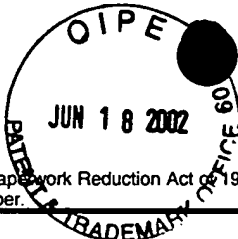
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 2 of 4

**Complete if Known**

Application Number	10/028,258
Filing Date	12/19/01
First Named Inventor	Celal Albayrak
Art Unit	
Examiner Name	
Attorney Docket Number	0081.02

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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XGW	AV	US-5271961	12/12/1993	Mathiowitz et al.	
	AW	US-5330767	07/19/1994	Yamamoto et al.	
	AX	US-5366734	11/22/1994	Hutchinson et al.	
	AY	US-5384133	01/24/1995	Boyes et al.	
	AZ	US-5445832	08/29/1995	Orsolini et al.	
	BA	US-5500161	03/19/1996	Andrianov et al.	
	BB	US-5503851	04/02/1996	Mank et al.	
	BC	US-5536508	07/16/1996	Canal et al.	
	BD	US-5556642	09/17/1996	Kobayashi et al.	
	BE	US-5594091	01/14/1997	Igari et al.	
	BF	US-5603960	02/18/1997	O'Hagen et al.	
	BG	US-5609886	03/11/1997	Wantier et al.	
	BH	US-5611971	03/18/1997	Maedera et al.	
	BI	US-5622657	04/22/1997	Takada et al.	
	BJ	US-5631020	05/20/1997	Okada et al.	
	BK	US-5631021	05/20/1997	Okada et al.	
	BL	US-5635216	06/03/1997	Thompson	
	BM	US-5643605	07/01/1997	Cleland et al.	
	BN	US-5648095	07/15/1997	Illum et al.	
XGW	BO	US-5648096	07/15/1997	Gander et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
XGW	DG	EP	580428	07/22/1993	Takeda Chemical		
XGW	DH	EP	797615	03/27/1995	Univ. of Nottingham		
	DI	CA	2100925				
	DJ	CA	2009941				
XGW	DK	GB	1405108	12/23/1971	Agfa-Gevaert		
	DL	UK	2234896				
XGW	DM	WO	90/13780	11/15/1990	Enzytech Inc.		
	DN	WO	97/19676	06/05/1997	Schering	ABSTRACT ONLY	
	DO	WO	98/07442	02/26/1998	Intl Ctr Genetic		
XGW	DP	WO	98/27962	07/02/1998	Alza Corp.		

Examiner  
Signature

Lauron Q. Wells

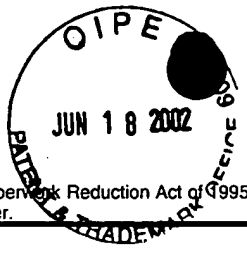
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		Application Number	10/028,258
		Filing Date	12/19/2001
		First Named Inventor	Celal Albayrak
		Art Unit	
		Examiner Name	
		Attorney Docket Number	0081.02

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number - Kind Code <sup>2</sup> (if known)				
LQW	BP	US-5650173	07/22/1997	Ramstack et al.		
	BQ	US-5661125	08/26/1997	Strickland		
	BR	US-5676968	10/14/1997	Lipp et al.		
	BS	US-5700486	12/23/1997	Canal et al.		
	BT	US-5723269	03/03/1998	Akagi et al.		
	BU	US-5733567	03/31/1998	Arola et al.		
	BV	US-5783567	07/21/1998	Hedley et al.		
	BW	US-5766637	06/16/1998	Shine et al.		
	BX	US-5792477	08/11/1998	Rickey et al.		
	BY	US-5849884	12/15/1998	Woiszwillo et al.		
	BZ	US-5851451	12/22/1998	Takechi et al.		
	CA	US-5853698	12/29/1998	Straub et al.		
	CB	US-5863554	01/26/1999	Illhun et al.		
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	CD	US-5902834	05/11/1999	Porrvik et al.		
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	CF	US-5922357	07/13/1999	Coombes et al.		
	CG	US-5929196	07/27/1999	Kissel et al.		
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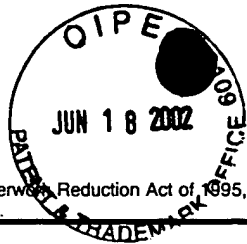
FOREIGN PATENT DOCUMENTS							
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		Country Code <sup>3</sup>	-Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
LQW	DQ	WO	99/20253	04/29/1999	Bioglan Thera.		
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	DS	WO	99/58112	11/18/1999	Microbiological		
	DT	WO	00/04916	07/09/1999	Biomeasure Inc.		
	DU	WO	99/59548	11/25/1999	Mogam		
LQW	DV	WO	01/28591	04/26/2001	Genentech		

Examiner Signature	<i>Lauren Q Wells</i>	Date Considered	8/30/03
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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			Applicati n Number	10/028,258	
Sheet	4	of	4	Filing Date	12/19/2001
			First Named Inventor	Celal Albayrak	
			Art Unit		
			Examiner Name		
			Attorney Docket Number	0081.02	

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AQW	CJ	US-5981474	11/09/1999	Manning et al.	
	CK	US-5985312	11/16/1999	Jacob et al.	
	CL	US-5993855	11/30/1999	Yoshimoto et al.	
	CM	US-6007845	12/28/1999	Domb et al.	
	CN	US-6020004	02/01/2000	Shah	
	CO	US-6048551	04/11/2000	Hilfinger et al.	
	CP	US-6080429	06/27/2000	Cleland et al.	
	CQ	US-6110503	08/29/2000	Rickey et al.	
	CR	US-6113943	09/05/2000	Okada et al.	
	CS	US-6120805	09/19/2000	Spenlchauer et al.	
AQW	CU	US-6143011	09/18/2001	Mathiewitz et al.	
	CV	US-6290983	09/18/2001	Rickey et al.	
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

Examiner Signature	Raunen Q. Wells	Date Considered	5/30/03
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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 1 of 1

## **Complete if Known**

Application Number 10/028,258

Filing Date 12/19/01

First Named Inventor Celal Albayrak

Group Art Unit

Examiner Name

Attorney Docket Number 0081.02

## **OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
QW	DW	ARSHADY, "Preparation of biodegradable microspheres and microcapsules: 2. Polyactides and related polyesters," J. of Cont. Rel., 17th ed., p. 1-22, ( February 5, 1991).	
	DX	WATTS ET AL., "Microencapsulation Using Emulsification/Solvent Evaporation: An Overview of Techniques and Applications," Critical Reviews in Therapeutic Drug Carrier Systems, Vol. 7 ( No. 3), p. 235-259, ( February 5, 1990).	
	DY	WANG ET AL., "Preparation and Characterization of Poly(lactic-co-glycolic acid) Microspheres for Targeted Delivery of a Novel Anticancer Agent, Taxol," Chem. Pharm. Bull., Pharmaceutical Society of Japan, Vol. 44 ( No. 10), p. 1935-1940, ( October 1, 1996).	
	DZ	GHADERI ET AL., "Effect of preparative parameters on the characteristics of poly (D,L-lactide-co-glycolide) microspheres made by the double emulsion method," International Journal of Pharmaceutics, Elsevier Science B.V., p. 205-216, ( June 16, 1996).	
	EA	CLELAND, "Solvent evaporation processes for the Production of Controlled Release Biodegradable Microsphere Formulations for Therapeutics and Vaccines," Biotechnol. Prog., 1st ed., American Chemical Society & American Institute of Chemical Engineers, Vol. 14 ( No. 1), p. 102-107, ( February 6, 1998).	
	EB	O'DONNELL ET AL., "Properties of multiphase microspheres of poly(dl-lactic acid) or poly(dl-lactic-co-glycolic acid) produced by mechanical agitation, sonication, or potentiometric dispersion," J. Microencapsulation, Taylor & Francis Ltd., Vol. 13 ( No. 6), p. 667-677, ( February 5, 1996).	
	EC	CARTI, "A new approach to improved stability and controlled release in double emulsions, by the use of graft-comb polymeric amphiphiles," Acta Polym, Wiley-VCH (Weinheim), p. 606-616, ( February 5, 1998).	
QW	ED	AFTABROUSHAD ET AL., "Factors Influencing the Entrapment of a Water Soluble Model Drug into Injectable Microparticles Prepared Using Solvent Evaporation and Phase Separation Techniques," Eur. J. Pharm BioPharm, medpharm GmbH Scientific Publishers (Stuttgart), Vol. 40 ( No. 4), p. 237-242, ( February 5, 1994).	

Examiner Signature

*Ramon Q. Wells*

Date

Considered

5/30/03

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